

For Release:
IMMEDIATE

rec'd 31 Oct 83
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Data Viewed Through "Windows"

NEW IBM 3270 PERSONAL COMPUTER COMBINES
PERSONAL AND HOST COMPUTING ON A SINGLE SCREEN

NEW YORK, October 18 . . . The IBM 3270 Personal Computer, announced today, brings to the user both the power of multiple host computers and personal computing capabilities, plus two electronic notepads -- all on a single, eight-color, high-resolution display screen.

The 3270-PC is expected to find widespread use across many industries by business professionals, executives and others who need to work with information from more than one computer application. Information can be displayed simultaneously in seven windows defined by the user. Four can be from interactive programs in host computers such as IBM 43XX or IBM 308X processors.

With a self-teaching diskette called "Helper", the user need only turn on the unit, insert the diskette and follow the directions to start learning how to operate the IBM 3270 Personal Computer. A quick path route to viewing the materials can be chosen by experienced IBM 3270 display users.

The IBM 3270 Personal Computer provides a simpler way to look at -- and interact with -- computer information. Through the windowing function, portions of all seven sessions can be viewed on the screen at one time. The windows can be moved, just as a person moves papers on a desk. They can be made bigger or smaller, put on top for immediate attention, or temporarily hidden when not in use. Information on the screen can be processed, printed or exchanged between windows. Data can be transferred from a host computer and stored on a diskette for later processing in a Personal Computer session. Personal computer or host data can be copied onto a notepad.

The new workstation is designed to accommodate the way people actually work, compiling information from several sources to solve a problem, prepare a report or make a decision.

User Can Define Screen Profiles

For people who work with structured data, the 3270 Personal Computer permits the arrangement of windows in different layouts, or "profiles," to meet specific information needs, such as an insurance service representative who provides customer assistance for many types of policies. The seven windows can be arranged and stored in ten different ways or combinations. One screen profile, for example, could be set up to display information on multiple lines of insurance coverage. The screen could consist of seven separate windows -- four to display data from host processors on policies for automobile, home, boat, or life insurance. A notepad window could be used to record customer information. The PC window could be used for a variety of tasks, including computing insurance premiums. The other notepad window could be used to copy information from any of the host sessions.

A second profile could be set up to help generate letters in response to customer inquiries; and a third profile could be set up to handle information on policy loan status.

Users can define which windows they want in their screen profiles, and then with just a few keystrokes automatically call up any screen profile -- without going through all the log-on procedures normally required for communicating with the host computer.

Browsing Through Windows

The workstation also accommodates a variety of needs, enabling users to change the computing sessions assigned to a window, and the number, arrangement and size of windows. A user may choose to browse through all the windows to view the data before working in a computing session. Simply by pressing a "change screen" key and the screen number, a new profile is displayed. The "delete window" key causes a window to be hidden from view. Other key functions include "quit," "print," "finish," and "copy".

The workstation is available with a new high resolution, eight-color display unit, the IBM 5272, which enables different color backgrounds or alphanumeric characters to highlight windows or specific data within a window. For instance, a user may decide to display personal computing sessions with a blue background and local notepad sessions with a pink background. Remote host computing sessions also can be highlighted with other colors.

The three basic operations of the IBM 3270-PC can be run separately or in a variety of combinations:

- Up to four host computer sessions can be set up to access up to four application programs on any combination of processors. The 3270-PC can emulate alphanumeric functions of IBM 3178, 3278, or 3279 display stations. The host computers react to each host window session as though communicating to separate display stations.
- One personal computing session can be displayed for IBM Personal Computer DOS 2.0 applications, such as Easy-Writer* II for word processing or VisiCalc* for financial forecasting or mathematical computations on diskettes. A single keystroke transfers the control of the workstation's active session back and forth between personal computing and host-connected sessions. Many IBM Personal Computer DOS 2.0 applications and PC hardware options will run with this workstation.
- Two local notepad sessions are available for writing messages, personal memos, or maintaining a calendar, and transferring data between screen sessions.

The 3270 Personal Computer can be used to communicate via electronic mail, create and send data files through networks, obtain data from corporate data bases for local use by personal computing functions or access data from public information networks.

For interactive program development in a network environment, the 3270 PC allows programmers to log on to one or more programs and move data between programs without using job control language. It also could be used by network operators and other systems personnel for network management.

The 3270-PC is available in three standard models with memory sizes ranging from 256KB to up to 640KB.

The workstation uses a 122-key keyboard, which combines both the IBM Personal Computer and 3270 display keyboards. There are five key areas, including two sets of control keys, a set of program function keys for both the 3270 terminal and PC functions, a typewriter area and a separate numeric keypad. To enhance user productivity, keys are arranged according to frequency of use and logical function groupings.

An autokey function records and saves frequently used keystrokes for later playback. This keyboard function is designed to reduce the number of repetitive keystrokes and simplifies logging on to multiple applications.

Systems Attachment For The 3270-PC

The 3270-PC communicates with any IBM System/370, IBM 308X or 43XX processor via an IBM 3274 control unit. The total number of 3270-PC units which can be run at one time will vary depending on user requirements.

All attachments are supported by Systems Network Architecture (SNA), Non-SNA Local Channel, Synchronous Data Link Control (SDLC) and Binary Synchronous Control Remote. The workstation also can be attached to any IBM 4321, 4331 or 4361 systems display/prINTER adapter.

Printed documents can be made from any of the host sessions using an IBM 3274 attached printer. An IBM Personal Computer printer is used for printing any document created during a personal computing or notepad session. A quick desk copy of any screen profile or window also can be printed using the IBM Personal Computer printer.

The IBM Information Network, through its offerings, supports the IBM 3270 Personal Computer.

The IBM 3270 Personal Computer Components

5271 STANDARD MODEL 2

System unit with 256KB memory (expandable to 640KB)
5271 keyboard
One dual-sided diskette drive and adaptor
5151/5272 display adaptor
3270-PC keyboard/timer adaptor
3270 system adaptor
Reference manual and binder
Operations guide
Maintenance information

5271 STANDARD MODEL 4

5271 Standard model 2 features, plus:
A second dual-sided diskette drive
64 KB memory expansion option (for a total of 320KB)
Printer adaptor for a 5152 graphics printer

5271 STANDARD MODEL 6

5271 standard model 2 features, plus:
One 10MB fixed disk and adaptor
64KB memory expansion option (for a total of 320KB)
Printer adaptor for a 5152 graphics printer

IBM 5272 COLOR DISPLAY

A 14-inch eight-color monitor
High resolution display with 720-by-350 picture elements
Anti-glare, smudge resistant screen design
Display stand with tilt/rotate mechanism
Line cord

THE 5271 KEYBOARD

Low profile, attached EBCDIC keyboard
Adjustable slope
Five key function areas: two sets of control keys
for personal and host computing, program function
keys, typewriter area and numeric keypad
Autokey facility to record and playback frequently
used keystroke entries
3270 host key-top graphics printed in black
IBM Personal Computer operations printed in blue
Flexible, 1.8 meter, coiled cord

3270-PC CONTROL PROGRAM

On-line "Helper" tutorial
Object code

3270-PC FILE TRANSFER PROGRAM PRODUCT

Transfers bulk data to and from the host
Host-computer sessions can include Virtual Machine/System
Product (VM/SP) or Multiple Virtual System/Time
Sharing Option (MVS/TSO)

Pricing, Availability

Purchase price for the 3270 Personal Computer with keyboard
is \$4,290 for Model 2; \$5,319 for Model 4; and \$7,180 for Model 6.
The 5272 color display is priced separately at \$995. Deliveries
will begin during the first quarter of 1984.

There is a one time charge of \$300 for the IBM 3270 PC
control program product. The IBM 3270-PC file transfer program
product has a one time charge of \$600.

Volume purchase discounts are available. Beginning in January, 1984, term leases will be available through the IBM Credit Corporation. The IBM 3270 Personal Computer will be sold by the IBM National Accounts Division and National Marketing Division.

The IBM 3270-PC was developed by the Communication Products Division in Kingston, N.Y. The division's Raleigh, N.C., facility has manufacturing responsibility for the product.

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*Trademarks:

VisiCalc - Personal Software, Inc.

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ISG 057
10/18/83